

ABSTRACT

The present invention relates to a vision screening system and a method for using the system to easily perform screenings for vision disorders, including amblyopia in children using only one examiner. The system includes a lightweight, portable apparatus having a surface upon which a series of images are imprinted, projected, or digitally altered. The size, shape, appearance, arrangement, and quantity of the images are chosen to allow an examiner to rapidly screen the examinee for a visual disorder such as amblyopia. The apparatus also includes a measurement tool, integrated with the apparatus, which enables the examiner maintain the surface of the device at a predetermined distance from the examinee's eyes. To screen a child's vision, the apparatus is positioned at a predetermined distance from the examinee's eyes using the systems built-in measuring distance device. With one eye covered at a time with adhesive patches provided as part of the vision screening system, the examinee is asked to either identify an image displayed on the apparatus, or point to a matching image on a card provided as part of the system, that is located at a close distance to the examinee. Based upon the examinee's collective responses, the examiner can determine whether the examinee is affected by a visual disorder such as amblyopia. The entire system (the optotypes target apparatus with built-in measuring device, matching optotypes card, adhesive eye occluders, and instructions) are all provided in a self-contained, small, lightweight box or package for ease of transport and storage.